NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

basic imagery interpretation report

Kazan Airframe Plant Gorbunov 22 (S)

STRATEGIC WEAPONS	INDUSTRIAL FACILITIES		
			25 X 1
USSR			

Top Secret

25X1 RCA-09/0028/80 SEPTI25X1I 1980 Copy 49



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STALLATION OR ACTI	VITY NAME					COUNTRY	
Kazan North Ai						UR	
TM COORDINATES	55-51-38N 04	19-06-55E	CATEGORY	BE NO.	COMIREX NO	NIETB NO	25)
AP REFERENCE	55-51-56N 04	19-07-57E					
DMAAC. USAT	ΓC, Series 200, Si	heet 0165-1, scale	1:200,000				
TEST IMAGERY USED		1777	NEGATIO	ON DATE (If requir	ed)		
			NA				25)
					1.		
1 (E/D) 1	This somes discu		BSTRACT		Diagram Carlo	22 ' d LIGGD	
rom		and updates	previous NI	PIC reports		22 in the USSR and	25)
lyaway field for	The report also	briefly discusses	activity ob	served at K	azan Airfield No	rth, the test and	25)
	•	ruction activity of	luring the r	eporting ne	riod, including th	at still underway	
on the informat	ion cutoff date,	increased the flo	orspace of	the plant by	273,964 square 1	neters for a total	
						table to the large square meters of	
3. (S/D) I	Kazan Airframe	Plant Gorbunov	22 is the o	only known	assembly facility	for the TU-22M g-range passenger	
ransport aircraf	t. Also the Modi	fied BACKFIRE	B prototypes	are produce	d at this plant.	g-range passenger	
		des a location m	ap, ten ann	otated photo	ographs, and two	tables of mensu-	
al and/or chron	iological data.						25)
							 25>
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BASIC DESCRIPTION

Construction Activity	
5. (S/D) Construction activity during the reporting period at Kazan 22 and its associated airfield (Figure 1) was largely production related with the majority of new floorspace (approximately 259,000 square meters) attributable to construction on the still incomplete assembly building on the eastern side of the north plant area (Figures 2 and 3). The remaining 17,289 square meters of new floorspace was included in seven buildings and one addition to an existing building (Figure 3). The following paragraphs are a detailed chronology of construction activity observed between	25X1 25X1 25X1
6. (S/D) In 1978 only one building, a laboratory/engineering building, (item 17, Table 1 and Figure 3) was completed. However, construction continued at a brisk pace on the large new assembly building (item 44, Table 1 and Figures 3 and 4) with external construction being completed on an administration/engineering section (item 44a), a connecting building (item 44c), and two assembly/subassembly sections (items 44h and 44i).	•
7. (S/D) In 1979 several buildings were completed. A shop/support building (item 19, Table I and Figure 3), a storage/support building (item 18), a storage building (item 48), and a warehouse/shop building (item 50, Table I and Figure 3) were constructed. Construction continued on the large assembly building although no sections were externally completed in 1979.	
8. (S/D) As of	25X1
	25X1

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Table 1.

Mensural and Construction Data, Kazan Airframe Plant Gorbunov 22
(Keyed to Figures 2, 3, and 4)

This table in its entirety is classified SECRET/WNINTEL

m	Description/ Function	L	Oimension: (m) W	н	oorspace (sq m)	Date Observed Complete	Remarks	Item	Description/ Function	Dimensions (m) L W	. н	Floorspac (sq m)	Remarks
	Shop/stor bldg Shop/stor bldg						(4)** (6)**	f	Assembly/subassembly sec				Late stage of construction as of
	Admin/shop bldg Elec power substation						(9)** 2 stories (11)**	g	Engr/shop sec				Late stage of construction
	Shop bldg						(12)**	h	Assembly/subassembly sec				as of 5 stories
	Shop bldg						(14)**	l "	Assembly/subassembly see				
	Support bldg						(13)**	j	Engr/shop sec				Appeared to be
	Warehouse						(1)△						externally complete
	Warehouse Stor bldg						(21)**						prior to Apr 78
	Workshop						(2)△ (3)△	k 1	Assembly/subassembly sec Assembly/subassembly sec				Fortunation of construction
	Stor bldg						(4)△	,	Assembly/subassembly sec				Early stage of construction as of
	Stor bldg						(6)△	m	Engr/shop sec				Multistory, probably 5
	Admin bldg						(28)+						(floorspace figure tentative)
	Workshop						(7)△	n	Assembly/subassembly sec				
	Prob shop bldg						(8)△	р	Engr/shop sec				5 stories
	Lab/engr bldg Stor/spt bldg						(18)** 3 stories (15)**	q	Prob assembly/				
	Shop/spt bldg						(15)**	45	subassembly sec Workshop				(56)△
	Stor bldg						(9)△	46	Shop bldg				(24)**
	Admin/engr bldg						(12)∆ 4 stories	47	Subassembly bldg				(39)△
	Workshop						(14)△	48	Storage bldg				(,-
	Workshop						(17)△	49	Workshop				(45)△
	Stor/spt bldg						Observed ucor	50	Warehouse/shop bldg				(30)** see figure 4
	Prob dining hall						(24)† previously referred to as admin/eng	a	Admin sec				4 stories
	Stor bldg						to as admin/eng (22)**	ь 51	Shop/stor sec Transshipment bldg				2 stories (77)∆ see figure 4
	Warehouse						(18)△	52	Shop bldg				(3)†
	Prob stor/spt bldg						Observed ucon	53	Poss warehouse				(32)** footings were under
							early stage of construction						construction as of
							as of	54	Engr bldg				(92)△ 4 stories
	Machine shop						(20)△	55	Workshop				(96)△
	Foundry Workshop						(21)△ (22)△	56 57	Quonset stor bldg				(6)*
	Quonset stor bldg						(22)+	58	Quonset stor bldg Quonset stor bldg				(6)* (6)*
	Shop bldg						(21)+	59	Workshop				(95)∆ airfield related
	Forge/foundry bldg						(25)△	60	Hangar				(93)∆ airfield related
	Storage bldg						(26)△	61	Stor/spt bldg				(7)+
	Admin bldg						(27)△ 2 stories	62	Admin bldg				(87)△
	Admin bldg Assembly bldg						(29)∆ (46)∆	63 64	Flt ops bldg				(83)△
	Warehouse						(40)∆ (47)∆	65	Quonset stor bidg Support bidg				(9)† (82)△
	Machine shop						(60)A	66	Hangar				(81)A
	Shop bldg						(11)+	67	Control bldg				(79)△
	Machine shop						(64)△	68	Stor bldg				Previously unnumbered
	Workshop							69	Stor bldg				Previously unnumbered
	Shop sec Shop addition						(69)△	70	Stor bldg				Previously unnumbered
	shop addition						Observed ucon late stage of construction	71 72	Stor bldg Vehicle maint bldg				Outside plant boundary
							stage of construction	73	Admin bldg				(75) (2)+ 2 stories, airfield related
	Assembly bldg						(27)**		Unnumbered bldgs (26)				(2) 2 stories, arritera related
	Admin/engr sec						7 stories						
	Admin/engr sec						7 stories		oorspace constructed this period				
	Connecting bldg Connecting bldg						2 stories	Floorsp	ace razed this period				
	Prob shop/spt sec						2 stories 2 stories; early stage		n in floorspace since				
	snop/spt sec						of construction as of	Current	piant total				
							measurements						_
							approximate						
	umbering system supersedes the												
	ontal measurements are accurate	to within											

**Number in parenthesis equates to that superseded in report ΔNumber in parenthesis equates to that superseded in report *Number in parenthesis equates to that superseded in report

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CLASSIC	
	25X1
18. (S/D) A COMSAT Modified CLASSIC was observed from	25X1
at Kazan 22. The highest CLASSIC bort number observed throughout this reporting period	25X1 25X1

Table 2. Representative Production Aircraft Sightings at Kazan Airframe Plant Gorbunov 22

This table in its entirety is classified SECRET/WNINTEL

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e	BACKFIRE	Modified BACKFIRE	CLASSIC
	В	В	
	6		2 (
	6		3
	4		2
	6		3
	8		1
	5		3
	5		1
	7		0
	5		1
	5		1
	7	1	0
	8	1	0
	9	1	1
	8		
	8 7	2* 2	3
		2	2
		•	2
	6	2	3
	_		
	8	2	2
	4	2	2
	7	3*	1
	8	2	2
	8	3	2
	8	3	1
		(prob)	
	7	3	2
	6	3	0
	7	4*	0
	6	4	2
	8	4	2
	9	3	2
	7	(prob)	۷
	5	(prob) 5*	1
			1
	6	4	1
	5	5	1
	8	5	2
	10	6*	2
	11	6	3
	12	6	3
	9	6	4
	7	5	5
	7	5	5
	9	4	3
		(prob)	
1	8	6	3

^{*}Date on which a new high count of Modified BACKFIRE B was first observed.

Kazan North Airfield

19. (S/D) Several types of aircraft which are not normally associated with Tupolev or Ilyushin have been observed at the airfield on the secondary runway (Figure 2). In addition to transports such as COLT, CRATE, and CAMP, there are several fighter aircraft. One FITTER A, one MOUJIK, and a MONGOL were observed during the reporting period. These aircraft are probably not associated with the plant and may be related to another air-related facility in the area.

REFERENCES

IMAGERY

(TSR) All available KEYHOLE imagery acquired between was used in preparation of this report.
MAPS OR CHARTS
MAPS OR CHARTS
DMAAC. US Air Target Chart, Series 200, Sheet 0165-1, scale 1:200,000 (SECRET)
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4. DIA. DST-18505-009-78, Air Breathing Propulsion Technology - Warsaw Pact Countries, 5 May 78 (SECRET
5. DIA. DDB-1923-2A-79-SAO, Foreign Aircraft Production (FOAP) Communist World, Nov 1979 (TOP S
6. NSA. K/00/3443-78, Wings for BACKFIRE Bomber Probably to be Produced at Plant 39, Irkutsk, 18145 April 1978 (TOP SECRET
7. NSA. K/00/2230-75, New Engine for the Soviet 1L-62 (CLASSIC) Transport, 071730Z 1975 (TOP SECR
QUIREMENT
COMIREX J02 Project 200030DJ
(S) Comments and queries regarding this report are welcome. They may be directed to the temperature of the t

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